Improving the Development, Training,and Acquisition Processes

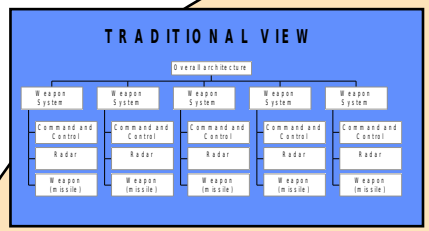
with
ARMY MODELS AND SIMULATIONS

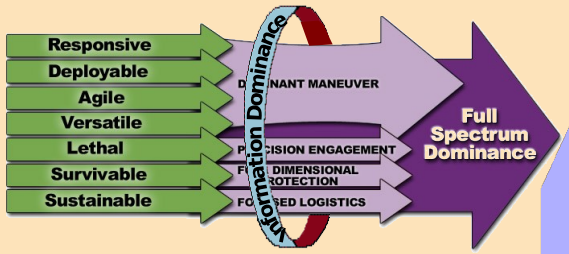
FD STRATEGY

Focused on Building Combat Capable Units

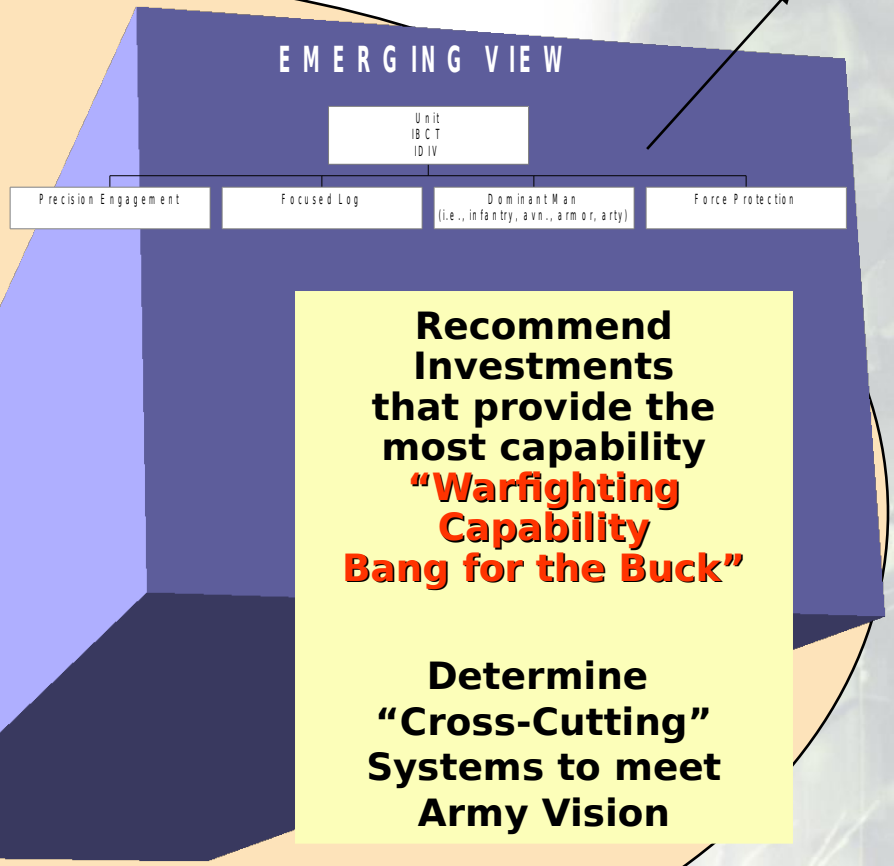
Shifting from a stove-piped family of systems to . . .

. . . within a JV 2020 framework





60-70%



Recommend Investments that provide the most capability
"Warfighting Capability Bang for the Buck"

Determine "Cross-Cutting" Systems to meet Army Vision

FCS AND OBJECTIVE FORCE MODELING CHALLENGES

Emerging and future concepts will employ different technologies, unit constructs, tactics, and procedures than

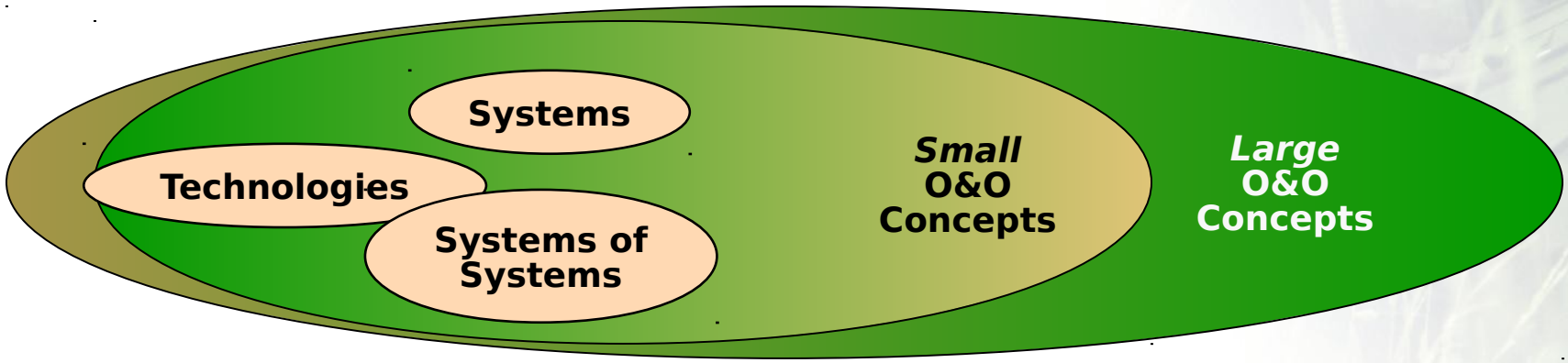
- **Legacy Forces**
- **Interim Forces**

Funding Gap

Knowledge Acquisition → **Methodology Development** → **Modeling & Analysis**

C4I & Fusion
MOUT
Strategic Deployment
SSC

Scenarios
Metrics
Data



SMART EXECUTION PLAN TASKS

- **51 Execution Plan Tasks total (45 tasks are included in TCP)**
- **All tasks will be executed by the AMSEC Community**
  - **33 tasks require no additional resources to execute.**
  - **18 tasks will require additional resources.**
- **Cost drivers are the critical ACR and RDA M&S shortfalls.**
- **Goal is driving toward bringing the three domain communities together for synergism (i.e., reuse)**
- ***Bottom Line*: $140.6 Million FY 03-07 shortfall.**

SUMMARY

Modeling and Simulations investment strategy is
red to assist in determining warfighting capability "Bang for the

Near-term: correct:

- **M&S Functionality:** C4I & Fusion, MOUT, Strategic Deployment, Small Scale Contingencies
- **Enablers:** Data, Knowledge Acquisition, Collaboration, Tools

Long-term: Provides*:

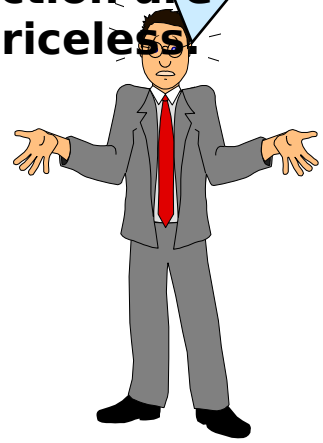
- Greater insights into new concepts
- More effective systems-of-systems
- Reduces risk in performance, schedule & cost

***All critical for success of Army Transformation and FCS**

Back Up

FD PROVIDES COST-WARFIGHTING EFFECTIVENESS ALTERNATIVES

Ideas are a dime a dozen. People who put them to action are priceless.



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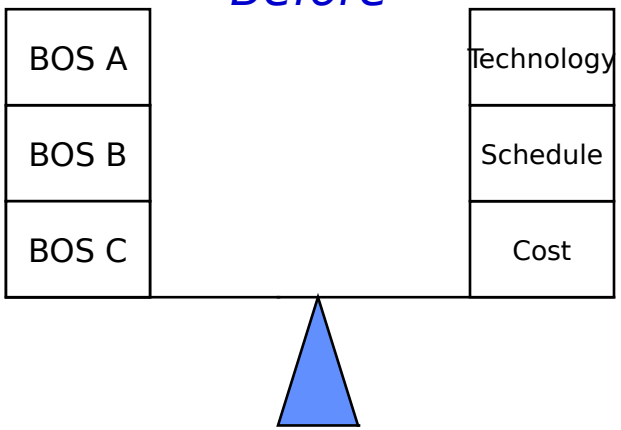

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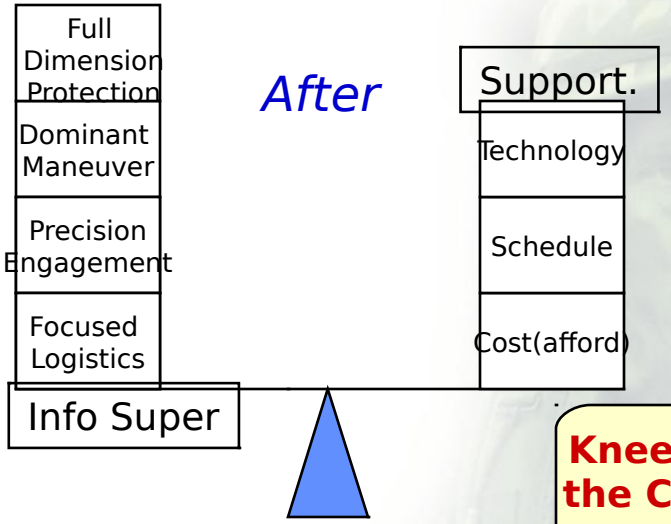
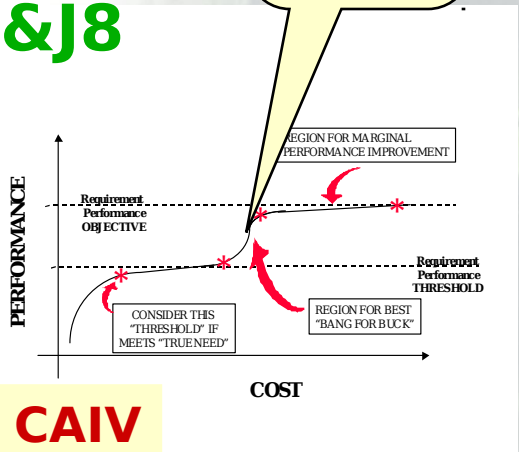


FD &J8

Knees in the Curve



Balancing Warfighting Capability Value vs. Resources (schedule, techn. Risk, and afford.)

ovide the Senior Leadership COAs/insights based on CAIV "Best Bang for the Buck"

Investment Strategy/POM (i.e. Executable)

Each JMA needs to determine balance and develop interdependencies

CONSOLIDATED REQUIREMENTS
All Risks

Total FY 03-07: $140,618K

	FY02	FY03	FY04	FY05	FY06	FY07	POM FY03-07
Maximum Risk to TCP	7818	18308	15683	15207	7653	6697	63548
RDTE	7200	7063	5765	6234	4915	4460	28437
OMA	618	11245	9918	8973	2738	2237	35111
Percent Funded	0%	22%	99%	95%	100%	100%	93%
Moderate Risk to TCP	9518	33701	32806	32005	19559	14768	132839
RDTE	0	0	0	0	0	0	0
OMA	1700	15393	17123	16798	11906	8071	69291
Percent Funded	0%	0%	0%	0%	0%	0%	0%
Minimum Risk to TCP	9670	35890	34843	33130	20761	15994	140618
RDTE	0	0	0	0	0	0	0
OMA	152	2189	2037	1125	1202	1226	7779
Percent Funded	0%	0%	0%	0%	0%	0%	0%